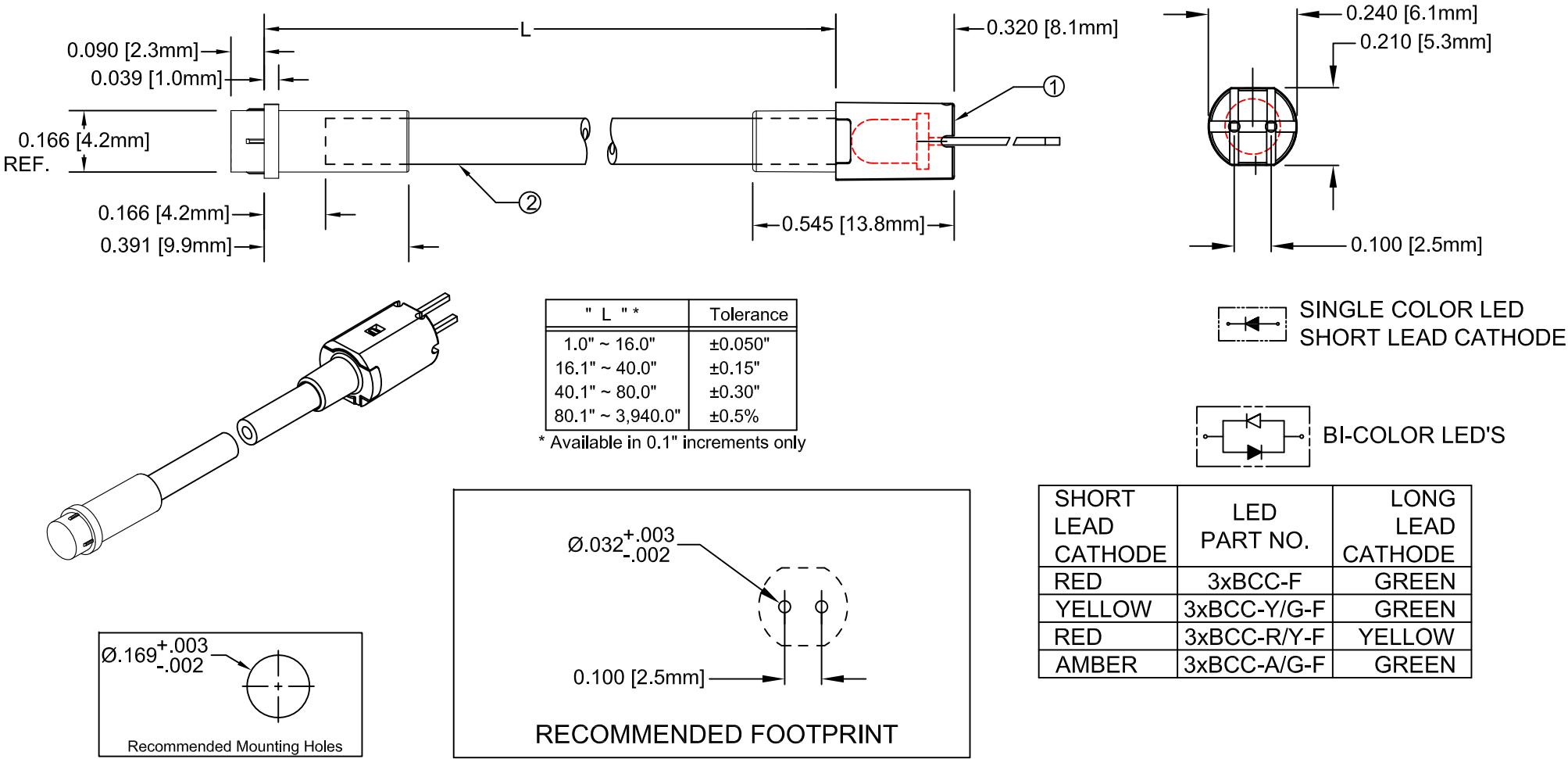


| ITEM | Q'TY | PART NUMBER | PART DESCRIPTION                                             |
|------|------|-------------|--------------------------------------------------------------|
| 1    | 1    | FLPV2-XX    | Flexible Light Pipe 2mm Adapter, Vertical w/ LED, See page 2 |
| 2    | 1    | FLPF-XX.X   | Light Pipe Lens Cap Assembly, 2mm Flat Face                  |

| REV. | DESCRIPTION                            | DATE     | APPROVED |
|------|----------------------------------------|----------|----------|
| A    | Engineering Release                    | 09/14/09 | T. Y.    |
| B    | Replaced 3UWC-0.6K-F with 3UWC1.035C-F | 04/26/12 | T. Y.    |
| C    | Updated Table For Length "L"           | 11/16/12 | T. Y.    |
|      |                                        |          |          |
|      |                                        |          |          |
|      |                                        |          |          |

NOTE: FLPV2-XX ADAPTER SHIPPED NON-ASSEMBLED



# ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

|                                             |                      |
|---------------------------------------------|----------------------|
| REVERSE VOLTAGE                             | 5V                   |
| REVERSE CURRENT                             | 100uA                |
| OPERATING TEMPERATURE RANGE                 | -25° C - 85° C       |
| STORAGE TEMPERATURE                         | -30° C - 100° C      |
| LEAD SOLDERING TEMPERATURE(1/16" FROM BODY) | 260° C FOR 5 SECONDS |

|                                                      |                          |                                                                                                                       |                       |
|------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED ) |                          | <div><b>BIVAR</b>®</div> <div>4 THOMAS, IRVINE, CA. 92618</div> <div>TEL: (949) 951-8808    FAX: (949) 951-3974</div> |                       |
| DECIMALS                                             | ANGULAR                  |                                                                                                                       |                       |
| .X     ± .1                                          | X°   ± 1°                |                                                                                                                       |                       |
| .XX    ± .02                                         |                          |                                                                                                                       |                       |
| .XXX   ± .010                                        |                          |                                                                                                                       |                       |
| DESIGNED:<br><b>Brian Oliver</b>                     | DATE:<br><b>09/14/09</b> | <div> <div>TITLE: FLEXIBLE LIGHT PIPE ASSY, FLAT FACE, VERTICAL</div> <div>PART NO: FLP2FVX.X-XXX</div> </div>        |                       |
| CHECKED:<br><b>Fred Jensen</b>                       | DATE:<br><b>09/14/09</b> | CAGE CODE : 32559                                                                                                     | REVISION:<br><b>C</b> |
| SHEET # 1 OF 2                                       |                          |                                                                                                                       |                       |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.      |                          |                                                                                                                       |                       |

| REV. | DESCRIPTION | DATE | APPROVED |
|------|-------------|------|----------|
|      | SEE SHEET#1 |      |          |
|      |             |      |          |
|      |             |      |          |
|      |             |      |          |
|      |             |      |          |
|      |             |      |          |

#### SINGLE COLOR ASSEMBLIES

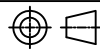
| Assembly Part No. | Emitted Color | LED Part No. |
|-------------------|---------------|--------------|
| FLP2FVX.X-SA      | AMBER         | 3SAC-F       |
| FLP2FVX.X-UBW     | BLUE          | 3UBWC-0.6K-F |
| FLP2FVX.X-SG      | GREEN         | 3SGC-F       |
| FLP2FVX.X-UG      | GREEN         | 3UGC-F       |
| FLP2FVX.X-SUG     | GREEN         | 3SUGC-F      |
| FLP2FVX.X-UO      | ORANGE        | 3UOC-F       |
| FLP2FVX.X-SUO     | ORANGE        | 3SUOC-F      |
| FLP2FVX.X-SR      | RED           | 3SRC-F       |
| FLP2FVX.X-UR      | RED           | 3URC-F       |
| FLP2FVX.X-SUR     | RED           | 3SURC-F      |
| FLP2FVX.X-UT      | TURQUOISE     | 3UTC-F       |
| FLP2FVX.X-SY      | YELLOW        | 3SYC-F       |
| FLP2FVX.X-UY      | YELLOW        | 3UYC-F       |
| FLP2FVX.X-SUY     | YELLOW        | 3SUYC-F      |
| FLP2FVX.X-UUY     | YELLOW        | 3JUYC-F      |
| FLP2FVX.X-UW      | WHITE         | 3UWC-0.6K-F  |

#### BI-COLOR ASSEMBLIES

| Assembly Part No. | Emitted Color | LED Part No. |
|-------------------|---------------|--------------|
| FLP2FVX.X-BC      | HE RED        | 3BCC-F       |
|                   | GREEN         |              |
| FLP2FVX.X-YG      | YELLOW        | 3BCC-Y/G-F   |
|                   | GREEN         |              |
| FLP2FVX.X-RY      | YELLOW        | 3BCC-R/Y-F   |
|                   | HE RED        |              |
| FLP2FVX.X-AG      | AMBER         | 3BCC-A/G-F   |
|                   | GREEN         |              |
| FLP2FVX.X-SBC     | SUPER RED     | 3SBCC-F      |
|                   | HE GREEN      |              |
| FLP2FVX.X-SYG     | SUPER YELLOW  | 3SBCC-Y/G-F  |
|                   | HE GREEN      |              |
| FLP2FVX.X-SRY     | SUPER RED     | 3SBCC-R/Y-F  |
|                   | SUPER YELLOW  |              |

FLEXIBLE LIGHT PIPE SERIES — FLP2FV X.X - XXX  
 — Emitted Colors  
 — "L" LENGTH, inches  
 available in 0.1" increments only  
 e.g. 6.0, 11.5

NOTES:  
 1. REFERENCE LED PRINTS FOR OPTICAL/ELECTRICAL SPECIFICATIONS

|                                                      |                          |                                                                                                                                                                 |                              |
|------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED ) |                          | <br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808 FAX: (949) 951-3974 |                              |
| DESIGNED:<br><b>Brian Oliver</b>                     | DATE:<br><b>09/14/09</b> |                                                                                                                                                                 |                              |
| CHECKED:<br><b>Fred Jensen</b>                       | DATE:<br><b>09/14/09</b> |  <b>TITLE:</b> FLEXIBLE LIGHT PIPE ASSY,<br>FLAT FACE, VERTICAL            | <b>REVISION:</b><br><b>C</b> |
|                                                      |                          | <b>PART NO:</b><br><b>FLP2FVX.X-XXX</b>                                                                                                                         | <b>SHEET # 2 OF 2</b>        |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.      |                          |                                                                                                                                                                 |                              |